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Instructions for use

**Plate IV.** Head in frontal (figs. 7-8) and lateral (9) view, ♀; shape of fused areola and basal area of propodeum (10-16). Figs. 7 & 10, *C. flavipes*; 8 & 12, *C. aizanensis*; 9 & 16, *C. clypeatus*; 11, *C. eniwanus*; 13, *C. funebris*; 14, *C. pectinatus*; 15, *C. parvus*.

## ON THE SPECIES OF PLECTOCHORUS UCHIDA IN JAPAN WITH DESCRIPTION OF A NEW SPECIES

By KANETOSI KUSIGEMATI

In 1933 the genus *Plectochorus* Uchida was originally described for the reception of *Mesochorus iwatensis* Uchida, 1928, and then in 1956 three new species, two from the Philippines and the other from Micronesia, were given by Townes as members of this genus. In the course of the present investigation has been found in Japan a new species, which will be described hereinafter.

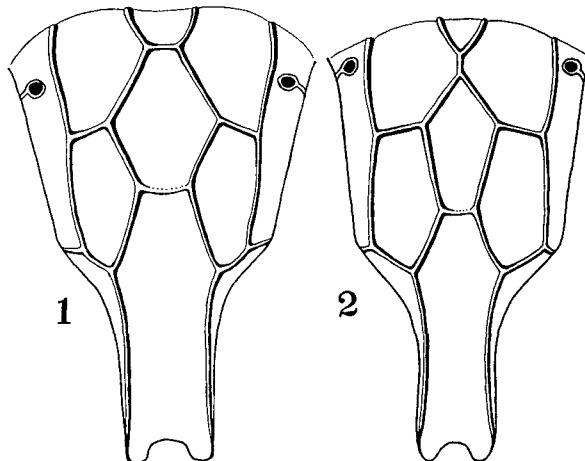
### Genus *Plectochorus* Uchida

*Plectochorus* Uchida, Ins. Mats. 7: 163, 1933 [type-species: *Mesochorus iwatensis* Uchida, 1928].

#### 1. *Plectochorus iwatensis* (Uchida)

Uchida, Jour. Fac. Agr. Hokkaido Imp. Univ. 21: 262, 1928 [*Mesochorus*]; ibid., Ins. Mats. 7: 163, 1933; Townes, Philip. Jour. Sci. 85: 259, 1956.

♀. Flagellum with 31-34 segments. Transverse groove between mesonotum and scutellum strongly striate longitudinally. Propodeum areolated as in Fig. 1; basal area pentagonal; areola separated from petiolar area by a distinct carina, about 1.3 times as long as wide; second lateral area 1.8-2.1 times as long as wide; petiolar area more or



Figs. 1 and 2. Propodeum in dorsal view.

1. *Plectochorus iwatensis* (Uchida), female;
2. *Plectochorus niger*, sp. nov., female.

less transversely rugulose. Mesopleuron on lower half strongly and rather sparsely punctured. Propodeum elongate apically, reaching to apex of hind coxa. First tergite 4.1-4.3 times as long as wide; second tergite 3.6-4.1 times as long as wide.

Fulvous. Flagellum dark brown, basally yellowish brown. Mesonotum with lateral lobes and median lobe anteriorly piceous, rarely almost yellowish brown. Mesosternum blackish. Propodeum almost black; pleural and lateral areas dark brown, sometimes fulvous. Hind tibia dark brown apically. First tergite piceous, paler basally and apically; second tergite piceous basally and laterally. Ovipositor sheath brownish. Wings hyaline; stigma and veins yellowish brown.

Length: body 5.5-7.6 mm., forewing 3.0-3.2 mm.

♂. Not seen. Described by Townes (1956).

Specimens examined: ♀ (holotype of *Mesochorus iwatensis*), 23-x-10, Iwate, Honshu, T. Ogasawara leg.; 1♀, 15-viii-32, Takatsu, Kanagawa, Honshu, reared from *Grapholitha molesta*, by G. J. Haeussler; 1♀, no date, Sapporo, Hakkaido.

Host: *Grapholitha molesta* Busck.

Distribution: Japan.

## 2. *Plectochorus niger*, sp. nov.

♀. Flagellum with 34-38 segments. Transverse groove between mesonotum and scutellum almost smooth, rarely very weakly striate longitudinally. Propodeum areolated as in Fig. 2; basal area small, triangular; areola separated from petiolar area by a distinct carina, 2.0-2.2 times as long as wide; second lateral area 2.0-2.2 times as long as wide; petiolar area polished and impunctured. Mesopleuron on lower half impunctured or more or less punctured. Propodeum elongate apically, reaching to apex of hind coxa. First tergite 4.5-5.0 times as long as wide; second tergite 2.6-2.8 times as long as wide.

Black. Flagellum almost black, yellowish brown basally. Face almost black and yellowish brown laterally. Clypeus, gena and occiput on lower part yellowish brown. Frons black medially and yellowish brown laterally. Ocellar area black. Vertex, temple and occiput on upper part dark brown. Pronotum on upper and lower parts, area along notalices, mesonotum on mid-posterior half, scutellum and postscutellum yellowish brown. Pronotum on middle part, mesopleuron, sometimes metapleuron, and abdomen on ventral part tinged with dark brown. Legs fulvous; hind tibia infuscate basally and apically. Wings hyaline; stigma and veins yellowish brown.

Length: body 8.0-9.6 mm., forewing 3.6-4.2 mm.

♂. Unknown.

Holotype (♀): Uryu, Hokkaido, 21-vii-64, K. Kusigemati leg. Paratypes: 1♀, 6-vii-66, Obihiro, and 1♀, 10-viii-66, Mt. Yubari, Hokkaido, K. Kusigemati leg. The types are deposited in the collection of the Entomological Institute of Hakkaido University.

Distribution: Japan.

This species is similar to *P. iwatensis* (Uchida), but may be easily distinguished by the areolation of the propodeum, by the blackish face and frons and by the black abdomen.

